



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

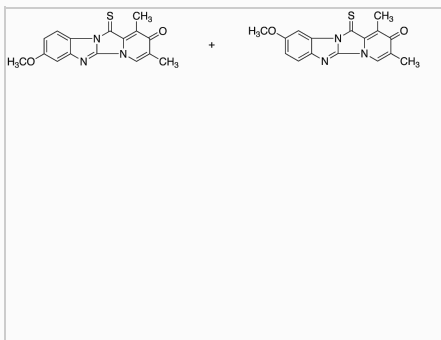
Catalogue Number: M262560

CAS Number: NA

Product: 8(9)-Methoxy-1,3-dimethyl-12-thioxopyrido[1',2':3,4]imidazo[1,2-a]benzimidazol-2-(12H)-one (Mixture of Regioisomers)

Synonym: Omeprazole Impurity (Mixture of Regioisomers); Omeprazole Related Compound F&G (USP); Omeprazole EP Impurity F+Omeprazole EP Impurity G;

Structure:



Molecular Formula:

C₁₆H₁₃N₃O₂S

Molecular weight:

311.36

Source of Product:

Synthetic

Solubility:

Methanol (Slightly)

Lot Number: 24-AZC-73-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Very Dark Red to Very Dark Brown Solid	Very Dark Red to Very Dark Brown Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.46% (300 nm)
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	9/1/2023	8/30/2027
				